# Product data sheet Characteristics

# LV510344

# Easypact CVS - CVS100F TM50D circuit breaker - 4P/3d





#### Main

Range of product  Product or component type  Device short name  CVS100F  Circuit breaker application  Poles description  Neutral position  Left  Earth-leakage protection  [In] rated current  Breaking capacity code  Reaking capacity  Preaking capacity  To kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Ves conforming to EN/IEC 60947-2  Category A  Trip unit name  Tip unit rating  Circuit breaker  Distribution  4P  Protection type  Overload protection (thermal)  Short-circuit protection (magnetic)		
type  Device short name  CVS100F  Circuit breaker application  Poles description  Protected poles description  Neutral position  Left  Earth-leakage protection  [In] rated current  Breaking capacity code  Network type  AC  [Ue] rated operational voltage  Breaking capacity  To kA Icu conforming to IEC 60947-2 at 220/240 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Ves conforming to EN/IEC 60947-2  Suitability for isolation  Yes conforming to EN/IEC 60947-2  Trip unit name  TM-D  Trip unit technology  Thermal-magnetic  Trip unit rating  50 A ( 40 °C )  Protection type  Overload protection (thermal)	Range of product	Easypact CVS100250
Circuit breaker application  Poles description  Protected poles description  Neutral position  Left  Earth-leakage protection  [In] rated current  Network type  AC  [Ue] rated operational voltage  Breaking capacity  To kA Icu conforming to IEC 60947-2 at 220/240 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Ves conforming to EN/IEC 60947-2  Utilisation category  Category A  Trip unit name  TM-D  Trip unit rating  50 A ( 40 °C )  Protection type  Overload protection (thermal)		Circuit breaker
tion  Poles description 4P  Protected poles description	Device short name	CVS100F
Protected poles description  Neutral position  Left  Earth-leakage protection  [In] rated current  Network type  AC  [Ue] rated operational voltage  Breaking capacity  To kA Icu conforming to EN/IEC 60947-2 at 220/240 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  Trip unit name  TM-D  Trip unit rating  To kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Thermal-magnetic  Trip unit rating  Thermal-magnetic  Trip unit rating  To verload protection (thermal)	· ·	Distribution
Scription  Neutral position  Left  Earth-leakage protection  [In] rated current  Network type  AC  [Ue] rated operational voltage  Breaking capacity  To kA Icu conforming to IEC 60947-2 at 220/240 V AC 50/60 Hz  36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz  36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  Category A  Trip unit name  TM-D  Trip unit technology  Thermal-magnetic  Trip unit rating  50 A ( 40 °C )  Protection type  Without  Without  Without  Without  Occopy  EAC  Without  Hound  For indicate and indicat	Poles description	4P
Earth-leakage protection  [In] rated current  100 A ( 40 °C )  Breaking capacity code  Network type  AC  [Ue] rated operational voltage  Breaking capacity  70 kA Icu conforming to IEC 60947-2 at 220/240 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  Category A  Trip unit name  TM-D  Trip unit technology  Thermal-magnetic  Trip unit rating  50 A ( 40 °C )  Protection type  Overload protection (thermal)	•	3d
tion  [In] rated current 100 A ( 40 °C )  Breaking capacity code F  Network type AC  [Ue] rated operational voltage  Breaking capacity 70 kA Icu conforming to IEC 60947-2 at 220/240 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation Yes conforming to EN/IEC 60947-2  Utilisation category Category A  Trip unit name TM-D  Trip unit rating 50 A ( 40 °C )  Protection type Overload protection (thermal)	Neutral position	Left
Breaking capacity code  Network type  AC  [Ue] rated operational voltage  Breaking capacity  70 kA Icu conforming to EN/IEC 60947-2 at 220/240 V AC 50/60 Hz  36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz  36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz  36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  Category A  Trip unit name  TM-D  Trip unit technology  Thermal-magnetic  Trip unit rating  50 A ( 40 °C )  Protection type  Overload protection (thermal)		Without
Network type  AC  [Ue] rated operational voltage  Breaking capacity  70 kA Icu conforming to IEC 60947-2 at 220/240 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  Category A  Trip unit name  TM-D  Trip unit technology  Thermal-magnetic  Trip unit rating  50 A ( 40 °C )  Protection type  Overload protection (thermal)	[In] rated current	100 A ( 40 °C )
[Ue] rated operational voltage  Breaking capacity  70 kA Icu conforming to IEC 60947-2 at 220/240 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  Category A  Trip unit name  TM-D  Trip unit rating  50 A ( 40 °C )  Protection type  Overload protection (thermal)	Breaking capacity code	F
voltage  Breaking capacity  70 kA Icu conforming to IEC 60947-2 at 220/240 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation  Yes conforming to EN/IEC 60947-2  Utilisation category  Category A  Trip unit name  TM-D  Trip unit technology  Thermal-magnetic  Trip unit rating  50 A ( 40 °C )  Protection type  Overload protection (thermal)	Network type	AC
AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC 50/60 Hz  Suitability for isolation Yes conforming to EN/IEC 60947-2  Utilisation category Category A  Trip unit name TM-D  Trip unit technology Thermal-magnetic  Trip unit rating 50 A ( 40 °C )  Protection type Overload protection (thermal)		440 V conforming to EN/IEC 60947-2 AC 50/60 Hz
Utilisation category  Category A  Trip unit name  TM-D  Trip unit technology  Thermal-magnetic  Trip unit rating  50 A ( 40 °C )  Protection type  Overload protection (thermal)	Breaking capacity	AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 380/415 V AC 50/60 Hz 36 kA Icu conforming to IEC 60947-2 at 440 V AC
Trip unit name  TM-D  Trip unit technology  Thermal-magnetic  Trip unit rating  50 A ( 40 °C )  Protection type  Overload protection (thermal)	Suitability for isolation	Yes conforming to EN/IEC 60947-2
Trip unit technology Thermal-magnetic Trip unit rating 50 A ( 40 °C ) Protection type Overload protection (thermal)	Utilisation category	Category A
Trip unit rating 50 A ( 40 °C )  Protection type Overload protection (thermal)	Trip unit name	TM-D
Protection type Overload protection (thermal)	Trip unit technology	Thermal-magnetic
• • • • • • • • • • • • • • • • • • • •	Trip unit rating	50 A ( 40 °C )
	Protection type	. , ,

#### Complementary

I	
Network frequency	50/60 Hz
Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
[Ui] rated insulation voltage	690 V conforming to EN/IEC 60947-2
Downside connection	Front
[Uimp] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
[lcs] rated service breaking capacity	Ics 70 kA conforming to IEC 60947-2 220/240 V AC 50/60 Hz Ics 36 kA conforming to IEC 60947-2 380/415 V AC 50/60 Hz Ics 18 kA conforming to IEC 60947-2 440 V AC 50/60 Hz
Mechanical durability	30000 cycles
Electrical durability	12000 cycles conforming to IEC 60947-2 415 V In
Connection pitch	35 mm
Contact position indicator	Yes
Neutral protection setting	No protection 3d
Long time pick-up adjstment type Ir	Adjustable

Long time pick-up adjustment range	0.71 x ln
Long time delay adjustment type	Fixed
Short-time delay adjustment type	Fixed
Instantaneous pick-up adjustment type li	Fixed
Instantaneous pick-up adjustment range	500 A
Height	161 mm
Width	140 mm
Depth	86 mm

## Environment

Electrical shock protection class	Class II
Standards	EN 60947-2 IEC 60947-2
Product certifications	GOST IEC
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-5085 °C

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 1041 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

## Contractual warranty

Period	18 months

